

144	--ALND5MINETARDAARVOAVASTLSVLGVFVTLSEPLVRYGTTAA	201
212	GLQTLISVLYKIGLTLTISYTGESSIVTFPIQCKNLPHTNTASLFLAPISGLAFVPLK	271
202	AVOYFVSQLKYYFQFLHSSHGSPSLIYTIVLCEWKLUPOSKVYTGTTAAVAGVVLVYVKKL	261
272	LNARYMHKTRPPIPEIYVWVATIAISCGCKAPKHYHNOIVGPIORGEPTPVSPVVSQWK	331
262	LNDLQQQLPMPFPEIILIGATISYGMGLKMRHFRDENVNTIAGLPPVYQATPNTQLFS	321
332	DMIGTAFSLAISVYVINLAMGRPLANKHGVDNSQEMIALGCSNFGSSFFKTHVVICCL	391
322	KLVGSAFTIAWGFIAISLGKFLAFLRGYRVDNOELVALGUSLNIGGIFQCPVSCSM	381
392	SVTLAVDAGGKSOVASLCSVLYMITHVLVGLYLYPLPKSVLGALLAVLNLSKQIUD	451
382	SRSVQYQESTGGNSOVAQGASSPLLLTIVLFLKELFHDPLKAVLAATIUNLKGMLRQLSD	441
452	PYLWKRSKUDCQWVWVSPLSPLSYGVAWSVVLVYVQFOPFRGHALAQWMDT	511
442	MRSWANKRADIWILWLTFTATLNLNDLGIVVATESLSSLLVYRTOMPHSYVGLQYDPD	501
512	DIVYNPKTYNRAODIOGKIKITCSPLYFANSEIF	553
502	DIVDVAEYSEARVGYKVFRSATVYFANKEFYSDAALKQRCGVYDFLISQKKKLLKK	561
554	--TYSLOEIQDQD---FENAPPDTP-----NNNOTPANGTSVSYTTFSPDSD	593
562	QEQLKRLQKQKEPLRKOAAASPKGASVINSNTSLEDMRSSNNVEDCHMMOVS---SGDK	617
594	SSPAOSEPPASAEPGERSDMALASVPPFVTNTLILDMSGVSPFDVLMGKIKALAKLSSTYG	653
618	MEDATANQEDSKP-DGSLTAKALGQPDPEFLSILLDGALSFDVYCLLSKLNKHFDFR	676
654	KIGVKVFLVNIHAQVYNDISHGGVFPEDGSLECKKHVFSIHDAYLFAQANARDV	706
677	ETEVEVMAACHSPVVSLEACHFF-DASITKHLFASVHDATFALQHPRPV	728
RESULT	2	
Q9BXS9	PRELIMINARY:	PRT: 759 AA.
AC	Q9BXS9;	
OBXNS9;		
DT	01-JUN-2001 (TREMBLrel. 17, Created)	
DT	01-JUN-2001 (TREMBLrel. 17, Last sequence update)	
DT	01-JUN-2001 (TREMBLrel. 17, Last annotation update)	
DE	SOLUTE CARRIER FAMILY 26 MEMBER 6.	
GN	SLC26A6	
OS	<i>Homo sapiens</i> (Human)	
OC	Mammalia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	
OX	NCBI_TaxID=9606;	
RN	[1]	
RP	SEQUENCE FROM N.A.	
RX	MEDLINE-21145584; PubMed-11247665;	
RA	Waldecker S., Moschen I., Ramilow A., Smith R.J., Ayadi H., Lang F.,	
RA	Rubisch C.;	
RT	"Cloning and Characterization of SLC26A6, a Novel Member of the Solute	
RT	Carrier 26 Gene Family.";	
RL	Genomics 72:43-50 (2001);	
DR	EMBL: AF288110; AAC19153.1; -	
SQ	SEQUENCE 759 AA; 82966 MW; 63CB0B756C9675C6 CRC64;	
Query Match	32.5%	Score 1258; DB 4; Length 759;
Best Local Similarity	36.6%	Pred. No. 1e-70;
Matches 261:	Conservative 162; Mismatches 238; Indels 52; Gaps	
Qy	PVGERLNAFQROSSAKTAKVVEGLVLSNLPKYIKDYIIPDUGGLSGSGSIQVPGQNA	91
Db	PRTHQKRTWLOCSRARAAYALLQHLPVLYNIPRYVPRDWHLLGDLISGLSVAIMQPGGLA	110
Qy	92 FALLANUPAVGGLYSSFPFLTYFPLGGYHOMVPGTFAVISLVLQAPESKEOFE	151

Qy 5422 NSPIFROKVIAKTVSLOELQDFENAPPTDPNNNOTPANGTSVSYITSPDSSSPAOSEP 601
 Db 358 nkecfksalyyqtvnpillkvwkaakrtikekvttvlgq-----demsqvqlshd 409
 Qy 602 PASAEGEPSPDMASVPPFTFMTLIDSGSYFVDLNGKALAKSSTRKIGYKVF 661
 Db 410 p-----lethividcsaqlfdtagihelkevrdyeaigqvl 450

RESULT 8
 ID AAM42394 standard; Protein: 143 AA.
 AC AAM42394;
 DT 22-OCT-2001 (first entry)

Human polypeptide SEQ ID NO 127.
 KW Human; nootropic; neuroprotective; cytostatic; dermatological; vitruide;
 KW immunosuppressive; antiinflammatory; anti-HIV; antibacterial; vulnery;
 KW antiparkinsonian; antischling; antianemic; antiarthritic; cancer;
 KW antirheumatic; hepatoxic; cereboprotective; antiinflammatory;
 KW antiallergic; antidiabetic; antiluicer; anticonvulsant; antifungal;
 KW antiparasitic; cardiant; immune disorder; cardiovascular disorder;
 KW neurological disease; infection; nephrotropic; gene therapy; vaccine.
 OS Homo sapiens.
 XX PN WO0015449-A1.
 XX PD 02-AUG-2001.
 PF 17-JAN-2001; 2001WO-US01346.

XX PR 31-JAN-2000; 2000US-0179065.
 PR 04 FEB-2000; 2000US-0180628.
 PR 19-MAY-2000; 2000US-0205155.
 PR 07-JUL-2000; 2000US-0216880.
 PR 14-AUG-2000; 2000US-021890.
 PR 01-SEP-2000; 2000US-0229347.
 PR 08-SEP-2000; 2000US-0230337.
 PR 25-SEP-2000; 2000US-0231243.
 PR 29-SEP-2000; 2000US-0231497.
 PR 13-OCT-2000; 2000US-0239337.
 PR 08-NOV-2000; 2000US-0246776.
 PR 08-NOV-2000; 2000US-0246777.
 PR 08-NOV-2000; 2000US-0246525.
 PR 08-NOV-2000; 2000US-0246526.
 PR 17-NOV-2000; 2000US-0249210.
 PR 17-NOV-2000; 2000US-0249211.
 PR 05-DEC-2000; 2000US-0251030.
 PR 05-DEC-2000; 2000US-0251030.
 PR 05-DEC-2000; 2000US-0251030.
 PR 06-DEC-2000; 2000US-0251030.
 PR 01-DEC-2000; 2000US-0250560.
 PR 05-DEC-2000; 2000US-0250591.
 PR 05-DEC-2000; 2000US-0251030.
 PR 05-DEC-2000; 2000US-0251030.
 PR 05-DEC-2000; 2000US-0251030.
 PR 08-DEC-2000; 2000US-0251030.
 PR 01-DEC-2000; 2000US-0251030.
 PR 05-DEC-2000; 2000US-0251030.
 PR 11-DEC-2000; 2000US-0254097.

XX XX WPI: 2001-476125/51.
 DR DR N-PSDB; AAI62199.
 XX PT PT novel plasma membrane associated proteins useful for diagnosing,
 PR PR preventing and/or prognosis disorders related to the
 PR PR proteins, including cancer, immune response and neuronal disorders
 XX XX
 PS PS SEQ ID NO 127: 532PP + Sequence Listing; English.
 XX CC The invention relates to novel genes (AAI62373-AAI62911) and proteins
 CC CC (AAI42347-AAI42415) useful for preventing, treating or ameliorating
 CC medical conditions e.g. by protein or gene therapy. The genes are
 CC isolated from a range of human tissues disclosed in the specification.
 CC The nucleic acids, proteins, antibodies and (ant)agonists are useful
 CC in the diagnosis, treatment and prevention of: (a) cancer, e.g. breast
 CC and ovarian cancer and other cancers of the adrenal gland, bone, bone
 CC marrow, breast, gastrointestinal tract, liver, lung, or urogenital;
 CC (b) immune disorders e.g. Addison's disease, allergies, autoimmune
 CC haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's
 CC disease, multiple sclerosis, rheumatoid arthritis and ulcerative
 CC colitis; (c) cardiovascular disorders such as myocardial ischaemias;
 CC (d) wound healing; (e) neurologic diseases e.g. cerebral anoxia and
 CC epilepsy; and (f) infectious diseases such as viral, bacterial, fungal
 CC and parasitic infections.
 CC Note: The sequence data for this patent did not form part of the
 CC printed specification, but was obtained in electronic format directly
 CC from WIPO at ftp://ftp.wipo.int/pub/published_pct_sequences.
 XX Sequence 143 AA.

Query Match 15.5%; Score 601.5; DB 22; Length 143;
 Best Local Similarity 91.0%; Pred. No. 8.9e-53;
 Matches 122; Conservative 3; Mismatches 8; Indels 1; Gaps 1;

Qy 107 SFFPLIITYFFLGLGVHQNPCTFAVISTLGVNCLQALPESKFOVNNATNESVYDTAAME 166
 Db 9 SFFPLIITYFFLGLGVHQNPCTFAVISTLGVNCLQALPESKFOVNNATNESVYDTAAME 68

Qy 167 AERLHVSAATLACTATIQMGLGPQFGFVAYLSESFIRGPMTAAGLQOLISVLKYIFGL 226
 Db 69 aerlhvsaatlactatixqmg19fmqfqfaylseyesfirgpmtaaglqolivklyifgl 128

Qy 227 -TIPSYTGPGSTIVF 239
 Db 129 gqepthspvrs1af 142

RESULT 9
 ID AAY44945 standard; Protein: 593 AA.
 AC AAY44945;
 XX DT 23-MAY-2000 (first entry)
 XX DE Wheat sulphate permease-2.
 XX XX Sulphate Permease; sulphate assimilation protein; wheat; probe;
 KW KW mapping; marker; plant breeding; chimeric gene; transgenic plant;
 KW antibody; screen.
 XX OS Triticum aestivum.
 XX PN WO200004154-A2.
 XX PD 27-JAN-2000.
 XX PF 13-JUL-1999; 99WO-US15810.
 XX PR 14-JUL-1998; 98US-0092833.
 XX

PA (HUMA-) HUMAN GENOME SCI INC.
 XX Barash SC, Ruben SM;
 PI